

IN THE CLAIMS:

39. (Amended) A method of enhancing memory, comprising: administering to a subject in need thereof an effective amount of a uridine phosphate increasing brain cytidine levels in a human in need thereof comprising administering an effective amount of uridine or a precursor thereof, wherein the effective amount of uridine is less than 300 mg/day, and wherein the effective amount of the precursor is an amount that converts to less than 300 mg uridine/day when subjected to metabolic processes.

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)

43. (Currently amended) The method of claim 39 wherein the administration of an effective amount of uridine phosphate ~~or its precursor~~ does not include the administration of cytidine.

44. (Currently amended) The method of claim 39 wherein the effective amount of uridine phosphate ~~or its precursor~~ is administered at least once a day.

45. (Cancelled)

46. (Amended) The method of claim 39 which further comprises administering a therapeutically effective dose of at least one additional compound selected from the group consisting of choline or a choline precursor.

47. (Amended) The method according to claim 46 wherein said at least one additional compound is choline, a choline salt, CDP-choline, lecithin, lysolecithin, phosphatidylcholine, phosphatidylethanolamine, sphingomyelin, glycerophosphatidylcholine, or mixtures thereof.

48. The method according to claim 47 wherein said choline salt is selected from the group consisting of choline chloride, choline bitartrate, choline stearate, or mixtures thereof.

49. (Amended) The method of claim 45, further comprising administering a therapeutically effective dose of a ~~46 wherein said at least one additional compound is a~~ uridine phosphorylase inhibitor, uridine secretion inhibiting compound, uridine renal transport competitor, or combinations thereof.

50. (Cancelled)